

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY CONSTRUCTION PERMIT**

Permit No. 479CP01

**Summit Alaska, Inc.
HOT MIX ASPHALT PLANT**

The Department of Environmental Conservation, under the authority of AS 46.03, AS 46.14, and 18 AAC 50.315, issues an Air Quality Construction Permit to:

Operator: Summit Alaska, Inc.

Initial Location: Milepost 200, Highway 4 (Richardson Highway),
Paxson, Alaska.

The project consists of the installation of one CMI PTD-300 drum mix asphalt plant rated at 300 tons per hour with a Roto-Aire RA318P baghouse, and one 500 kW Caterpillar 3412 diesel electric generation set.

The Department authorizes the construction and statewide operation of the Summit Alaska Inc. drum mix asphalt plant and ancillary equipment as described in the May 2, 2002 application under AS 46.14.120.

John F. Kuterbach, Manager
Air Permits Program

Date

Standard Permit Conditions

(Please note that these are standard conditions taken directly from 18 AAC 50.345.)

1. The permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14, 18 AAC 50, and, except for those terms that are designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for
 - a. an enforcement action,
 - b. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280, or
 - c. denial of an operating permit renewal application.

[18 AAC 50.345(c), 5/3/02]
2. It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.

[18 AAC 50.345(d), 5/3/02]
3. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit.

[18 AAC 50.345(e), 5/3/02]
4. Compliance with permit terms and conditions is considered to be compliance with those requirements that are:
 - a. included and specifically identified in the permit, or
 - b. determined in writing in the permit to be inapplicable.

[18 AAC 50.345(b), 5/3/02]
5. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the permittee for modification, revocation and reissuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[18 AAC 50.345(f), 5/3/02]
6. The permit does not convey any property rights of any sort, nor any exclusive privilege.

[18 AAC 50.345(g), 5/3/02]
7. The permittee shall allow the department or an inspector authorized by the department, upon presentation of credentials and at reasonable times with the consent of the owner or operator, to:
 - a. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept,
 - b. have access to and copy any records required by the permit,
 - c. inspect any facility, equipment, practices, or operations regulated by or referenced in the permit, and
 - d. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.

[18 AAC 50.345(h), 5/3/02]

8. The permittee shall furnish to the department, within a reasonable time, any information that the department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the permittee shall furnish to the department copies of records required to be kept by the permit. The department may require the permittee to furnish copies of those records directly to the federal administrator.
- [18 AAC 50.345(i), 5/3/02]
9. The permittee shall certify all reports, compliance certifications, or other documents submitted to the department and required under the permit by including the signature of a responsible official for the permitted facility following the statement: "Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete." Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and other documents must be certified upon submittal. When certifying a compliance certification, the official's signature must be notarized.
- [18 AAC 50.345(j), 5/3/02]
10. In addition to any source testing explicitly required by the permit, the permittee shall conduct source testing as requested by the department to determine compliance with applicable permit requirements.
- [18 AAC 50.345(k), 5/3/02]
11. The permittee may request an extension to a source test deadline established by the department. The permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the department's appropriate division director or designee.
- [18 AAC 50.345(l), 5/3/02]
12. Before conducting any source tests, the permittee shall submit a plan to the department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the source will operate during the test and how the permittee will document that operation. The permittee shall submit a complete plan within 60 days after receiving a request under Condition 10 and at least 30 days before the scheduled date of any test unless the department agrees in writing to some other time period. Retesting may be done without resubmitting the plan.
- [18 AAC 50.345(m), 5/3/02]
13. At least 10 days before conducting a source test, the permittee shall give the department written notice of the date and the time the source test will begin.
- [18 AAC 50.345(n), 5/3/02]
14. Within 60 days after completing a source test, the permittee shall submit two copies of the results in the format set out in the *Source Test Report Outline*, adopted by reference in 18 AAC 50.030. The permittee shall certify the results in the manner set out in Condition 9. If requested in writing by the department, the permittee must provide preliminary results in a shorter period of time specified by the department.
- [18 AAC 50.345(o), 5/3/02]

GP3 - General Permit Conditions

Aggregate Dryer or Drum Mixer

Conditions 15 through 22 are applicable to the asphalt plant

15. Opacity & Particulate Matter Emissions

- 15.1 Do not reduce visibility through the exhaust effluent by more than 20% measured as a six-minute average. Monitor effluent and facility operation using the monitoring plan conditions M1 - M7, M10, M12, and M14 - M20. Report using EE2, R3, R10, R13, P1-P9.

[18 AAC 50.050(a)(4), 5/26/72; 18 AAC 50.055(a)(4), 1/18.97; 40 C.F.R. 60.92(a)(2), 10/6/75]

- 15.2 Do not emit particulate matter concentrations greater than 0.04 gr/dscf. Monitor emissions using monitoring plan conditions M1 - M9, M14-20 and P1-P9. Report using EE2, R3, R11, R13, P1-P9.

[18 AAC 50.050(b)(5), 5/26/72; 18 AAC 50.055(b)(5), 1/18.97; 40 C.F.R. 60.92(a)(1), 10/6/75]

- 15.3 If the permittee does not perform a Method 5 source test for particulate emissions within the time period stated in the application, until the permittee conducts the required test the permittee shall not operate the facility for

- a. more than 6 hours in any 24-hour period, or
- b. more than 30 days in any calendar year.
- c. If subject to this condition:
 - (i) Monitor hours and operating days using M1, and
 - (ii) Report operating hours and days using R11.

[18 AAC 50.050(a)(4), (b)(5), 5/26/72;
18 AAC 50.055(a)(4), (b)(5), 1/18.97;
40 C.F.R. 60.92(a)(1), (2), 10/6/75]

16. Do not operate the asphalt plant at a capacity greater than 10% above the maximum throughput measured during a source test that showed compliance.

17. If the application to operate under this permit contains a production rate limit based on particulate matter source testing at less than full rated capacity under a previous permit, the permittee shall comply with that limit. After the permittee has conducted a source test under this permit that shows compliance at a higher operating rate, comply with Condition 16 instead of Condition 17.

For facilities using a baghouse

[40 C.F.R. 60.92(a)(1), (2), 10/6/75; 18 AAC 50.050(a)(4), (b)(5), 5/26/72; 18 AAC 50.055(a)(4), (b)(5), 1/18.97]

18. Inspect the interior of the baghouse and complete required maintenance prior to equipment startup in a new location or after shutdown periods lasting more than 5 days. Within two days of startup after relocating the facility and every 30 days of operation at the same location, re-inspect the baghouse. Replace any worn out or damaged bags within 72 hours. Monitor using M14 and M15. Report any deviations using R3.

18 AAC 50.055(a)(1), (b)(1) & (3) 1/18/97 and 18 AAC 50.050(a)(1), (b)(1) & (3) 5/26/72

19. Operate the baghouse efficiently to control opacity and particulate matter. Monitor baghouse operations using M4, M5, M16. Report any deviations using R3 and R13.

18 AAC 50.055(a)(1), (b)(1) & (3) 1/18/97 and 18
AAC 50.050(a)(1),(b)(1)&(3) 5/26/72

20. Inspect every component of the control device before the first operation each season and repair or replace any component that shows signs of deterioration.

18 AAC 50.055(a)(1), (b)(1) & (3) 1/18/97 and 18
AAC 50.050(a)(1),(b)(1)&(3) 5/26/72

For facilities using a scrubber

[40 C.F.R. 60.92(a)(1), (2), 10/6/75;
18 AAC 50.050(a)(4), (b)(5), 5/26/72;
18 AAC 50.055(a)(4), (b)(5), 1/18.97]

21. Inspect every component of the control device before the first operation each season and repair or replace any component that shows signs of deterioration.

18 AAC 50.055(a)(1), (b)(1) & (3) 1/18/97 and
18 AAC 50.050(a)(1),(b)(1)&(3) 5/26/72

[18 AAC 50.050(a)(4), (b)(5), 5/26/72;
18 AAC 50.055(a)(4), (b)(5), 1/18.97;
40 C.F.R. 60.92(a)(1), (2), 10/6/75]

22. Sulfur-Oxide Emissions

- 22.1 Do not emit sulfur dioxide concentrations greater than 500 parts per million using a three hour average. Monitor emissions and relevant operating parameters using monitoring plan conditions M21 and M22. Report using EE2, R4 - R6, R8 and R9.

[18 AAC 50.050(c), 5/26/72; 18 AAC 50.055(c),
1/18.97]

- 22.2 Do not burn fuel oil (or used oil mixed with fuel oil) with a sulfur content greater than 0.50% by weight. Do not burn fuel oil with a sulfur content greater than 0.075% by weight while operating in the Sulfur Dioxide Special Protection Area (18 AAC 50.025). Monitor using M21 and M22. Report using EE2 and R4.

[18 AAC 50.350(e)(2)(C), 1/18.97]

- 22.3 If used oil generated on-site is burned blend one part used oil with at least 3 parts fuel oil (25% used oil to 75% of fuel oil.) Report using R9.

[18 AAC 50.050(c), 5/26/72; 18 AAC 50.055(c),
1/18.97]

Diesel Engines that do not meet EPA's definition of a "nonroad" engine¹ /Insignificant Sources
Conditions 23 through 24 are applicable to the diesel electric generation sets.

23. Opacity & Particulate Matter Emissions

- 23.1 Do not reduce visibility through the exhaust effluent by more than 20% for a total of more than three minutes in any one hour. Monitor emissions using monitoring plan conditions M25. Report using EE2, R10.

[18 AAC 50.050(a)(1), 5/26/72; 18 AAC 50.055(a)(1),
1/18.97]

¹ Nonroad engines are defined in 40 CFR 89.2. See attachment 7 for the definition.

- 23.2 Do not emit particulate matter concentrations greater than 0.05 gr/dscf. Monitor diesel generators using monitoring plan conditions M15 and M25. Report for diesel generators using EE2, R3, R13.

[18 AAC 50.050(b)(1), 5/26/72;
18 AAC 50.055(b)(1), 1/18.97]

24. Sulfur-Oxide Emissions

- 24.1 Do not emit sulfur dioxide concentrations greater than 500 parts per million. Monitor emissions and associated operating parameters using monitoring plan conditions M21 and M22. Report using fuel analysis or specification from the fuel supplier using EE2, R4 - R6.

[18 AAC 50.050(c), 5/26/72; 18 AAC 50.055(c),
1/18.97]

- 24.2 Do not burn fuel oil (or used oil mixed with fuel oil) with a sulfur content greater than 0.50% by weight. Monitor using M21 and M22. Report using EE2 and R4.

- 24.3 While operating in the Sulfur Dioxide Special Protection Areas defined in 18 AAC 50.025, the facility may operate engines for purposes other than producing electricity (i.e., operating screw conveyors), but these engines may not burn fuel oil with a sulfur content greater than 0.075% by weight. Report fuel sulfur content using fuel analysis or specification from the fuel supplier using EE2.

[AS 46.14.215, 6/25/93;

- 24.4 While operating in the Sulfur Dioxide Special Protection Areas defined in 18 AAC 50.025, do not use diesel engines for electrical generation. The facility must use high line power for electricity.

[AS 46.14.215, 6/25/93; 18 AAC 50.050(c), 5/26/72; 18
AAC 50.055(c), 1/18.97]

- 24.5 If used oil generated on-site is burned, blend one part used oil to 3 parts fuel oil (25% used oil to 75% fuel oil) Monitor blending using M22. Report using R8 and R9.

[18 AAC 50.050(c), 5/26/72; 18 AAC 50.055(c),
1/18.97]

General Requirements

25. Dust Control

25.1 Take reasonable precautions² to prevent the release of airborne particulate matter from the following:

- (i) aggregate piles,
- (ii) treated and untreated soil piles,
- (iii) conveyors and elevators,
- (iv) loading locations,
- (v) the rotary drum,
- (vi) crushers,
- (vii) screens,
- (viii) baghouse ash discharge,
- (ix) vehicle traffic within the facility boundaries, and
- (x) any other sources of fugitive dust.

25.2 Monitor emissions and associated operating parameters using monitoring plan conditions M8, M9, M11. Report using R3, R12 and R13.

[18 AAC 50.045(d), 1/18/97; 18 AAC 50.050(f), 5/26/72]

25.3 If requested by the department, submit a fugitive dust control plan by the date indicated in the department's request and comply with the new plan.

26. Operation & Maintenance

[40 C.F.R. 60.11(d), 3/26/87; 18 AAC 50.050(a)(1), (b)(1), 5/26/72; 18 AAC 50.055(a)(1), (b)(1), 1/18.97]

Submit an Operations and Maintenance Plan to the department to illustrate how the facility will be operated and maintained in order to comply with the emission limits as specified in this permit. Monitor the facility operations and maintenance using M15. Report deviations from the plan using R13.

² "Reasonable precautions" for asphalt plants include but are not limited to the following, as necessary to prevent particulate matter from becoming airborne and leaving the facility boundaries:

- ◇ installation and use of hoods, fans, and dust collectors to enclose and vent dusty materials;
- ◇ other covers and enclosures to prevent generation or release of fugitive dust;
- ◇ cleanup of loose material on work surfaces;
- ◇ minimizing drop distances by adjusting conveyor heights or lowering loader buckets to be in contact with surface of soil or ground before dumping; and
- ◇ application of asphalt, water, or suitable chemicals to prevent generating fugitive dust.

27. Air Pollution Prohibited

Do not allow any release of emissions in quantities or durations that are injurious to human health or welfare, animal or plant life, or would unreasonably interfere with the enjoyment of life or property. Take reasonable actions to address pollution complaints resulting from emissions at the facility. Maintain a log of all facility complaints received regarding air emissions. The log includes the date and time complaint received, description of the complaint and the corrective action taken by the facility if any. Address pollution complaints by contacting the person initiating the complaint within 72 hours of the received complaint. Monitor as described in M11. Report the contents of this log as required by R12.

[18 AAC 50.110, 5/26/72]

28. Coastal Zone Management

- 28.1 If the facility plans to locate in the Aleutians West Coastal Resource Service Area (AWCRSA), contact the local municipal or tribal officials, landowners, and the AWCRSA to get necessary local permits or approvals and to find a preferred site for operations. AWCRSA consists of islands from Unalaska to Attu. *[This is a state only requirement]*
- 28.2 If the facility plans to locate in the AWCRSA and stores greater than 5,000 gallons of fuel oil, comply with AWCRSA policies C-10 (storage of petroleum and petroleum products) and C-11 (spill containment and cleanup equipment). *[This is a state only requirement]*
[18 AAC 50.350(d)(3), 1/18/97]

29. Location

Notify the department, using attachment 2, at least 30 days before tentative date of relocating as required by Alaska Statute Section 46.14.215, and follow-up with the exact date before the equipment start-up by letter, fax, phone, or e-mail.

State only enforceable [AS 46.14.215, 6/25/93]

30. Fees

- 30.1 Determine the fuel consumed in the facility using monitoring plan condition M13. Report fuel consumption using R7. Calculate the sulfur dioxide emissions using the sulfur dioxide formula listed in Attachment 4.
- 30.2 Estimate the annual emissions for the period from July 1 to June 30 of the following year. Use the formulas listed in Attachment 4, and submit to the department no later than August 1.
- 30.3 Pay the annual emission fees in accordance with the permit application using the formulas listed in Attachment 4.

[18 AAC 50.410; 1/18/97]

Equipment subject to Subpart OOO (40 CFR 60.670)

Equipment subject to Subpart OOO is at a fixed plant with a cumulative rating of all initial³ crushers greater than 25 tons per hour; or at a portable plant with greater than 150 tons per hour cumulative ratings. The pieces of equipment affected by the applicable conditions are rock crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations. Please see N1.1-1.4 for requirements in order to replace parts of equipment subject to Subpart OOO. Only the pieces of equipment installed, reconstructed⁴ or modified after August 31, 1983 are subject to Subpart OOO. 8/1/85] Condition 31 does not apply to: transferring material from a belt conveyor to a stockpile, or truck dumping into any screening operation, feed hopper, or crusher.

31. Emission Points without Mechanically Induced Air Flow This Condition applies to emissions points at a processing plant that *do not* have mechanically induced airflow to capture or exhaust particulate matter. Performance tests are required.

31.1 Do not allow emissions to reduce visibility through the exhaust effluent by more than

- a. 15 percent opacity from any crusher at which a capture system is not used, or
- b. 10 percent opacity from each transfer point on a subject belt conveyor or from any other subject source.

31.2 Monitor operations using Condition M10, M23 and M24. Report operations using EE2, R3, and R12 and P1-P9

[40 CFR 60.672(b), 8/1/85] [40 CFR 60.672(c),
40 CFR 60.672(d), 8/1/85]

32. At all times, and to the extent practicable, maintain and operate their facility including air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. Monitor using M10. Report using R3.

[40 CFR 60.11(d), 3/26/87]

33. Mark each piece of equipment that is subject to Subpart OOO with the letters "NSPS" that are plainly visible and are at least 3 inches high, or with other clearly identifiable markings.

[18 AAC 50.350(d)(3), 1/18/97]

Subpart Kb Storage Tanks

34. Volatile Organic Compounds. Keep records showing the dimensions of each storage vessel, its capacity, and the calculations used to compute its capacity. [40 CFR 60.116b(a), (b), 4/8/87]

This condition applies to stationary fuel storage tanks that are:

- ❖ Constructed, reconstructed or modified after July 23, 1984; and
- ❖ Have a capacity:
 - between 10,000 and 20,000 gallons;
 - between 20,000 and 40,000 gallons and store fuels that exert an equilibrium partial vapor pressure less than 2.2 psia; or

³ Initial crushers are defined as crushers that process some rock that has not been previously crushed.

⁴ Reconstructed is defined in 40 CFR 60.673.

- greater than 40,000 gallons and store fuels that exert an equilibrium partial vapor pressure less than 0.5 psia.
- Stationary means the tank is not attached to a mobile vehicle or vessel.

Compliance Monitoring Plan

Obtain the following records to determine compliance with the permit conditions. Keep these records accessible for five years. [18 AAC 50.350(h), 1/18/97]

Daily Records (if operating, keep the following records)

[18 AAC 50.350(d)(3), 1/18/97]

M1. Date: _____ Start time: _____ Stop time(if applicable): _____

M2. Tons of asphalt produced: _____ tons

M3. Maximum hourly production rate: _____ tons/hr

For a facility using a scrubber:

M4. Minimum pressure drop across the baghouse: _____ inches of water

M5. Maximum pressure drop across the baghouse: _____ inches of water

M6. Maximum differential pressure drop across the scrubber(gas side): _____ inches of water

M7. Minimum scrubber water flow rate: _____ gallons/hr

M8. ☐ Yes ☐ No Did the Department request a VOC and or dust plan?

If you answered Yes to M8, did the facility operation deviate from the dust or VOC control plan?

M9. ☐ Yes ☐ No If yes, please explain how and why you deviated from the plan.

Signature

Printed Name

Title

Deviation from Permit Conditions

M10. Keep a list of all deviations from Conditions 15 –34. Include [18 AAC 50.350(d)(3), 1/18/97]

- The date;
- The equipment involved;
- The permit condition;
- A description of the deviation; and
- Actions taken to solve the problem.

Complaint Logs

M11. Keep a written log of all [18 AAC 50.350(d)(3), 1/18/97]

- Air pollution complaints received;
- Dates of complaints;
- Investigations to determine the cause of the complaints; and
- Any actions taken to resolve the complaints.

Periodic Monitoring

[18 AAC 50.350(d)(3), 1/18/97]

M12. Conduct visible emission observations, in accordance with 40 C.F.R. 60, Appendix A, Method 9, within two days of startup at a new location, at least once during a 30-day operating period at the same location, and when facility starts up after a shut down period of more than 5 days. The test should occur when the facility is operating at a load typical of the maximum operation during the reporting period. This requirement does not apply to heaters and insignificant sources. Note the equipment production or operating rate at the time of the Method 9 observation. Method 9 consists of at least 24 readings, one reading every 15 seconds.

M13. Record the amount of fuel used at the facility on a semiannual basis.

M14. Keep a maintenance log of all baghouse inspections and bag replacement.

M15. Keep a maintenance log of activities performed in accordance with the manufacturer's preventative maintenance plan and the Operations and Maintenance Plan submitted to the department.

Continuous Monitoring

[18 AAC 50.350(d)(3), 1/18/97]

For facilities using a baghouse:

M16. Monitor the maximum baghouse exit temperature (EF) and differential pressure across the baghouse. Do not exceed the parameters determined by "manufacturer's data" or source test.

For facilities using a scrubber:

M17. Monitor the minimum and maximum differential pressure across the scrubber (inches of water). Do not exceed the parameters determined by "manufacturer's data" or 80-130% of source test.

M18. Monitor the water flow rate (gal/min). Maintain at least 80% of the flow used during the source test.

Once in permit

[18 AAC 50.350(d)(3), 1/18/97]

M19. If a source test was not submitted with the application or a previous source test is not on file with the department, conduct a source test within the first 30 days of operation under this permit. Conduct a particulate matter source test within five years of last source test. If the results for the most recent test for the asphalt plant are 0.036 gr/dscf or greater, conduct another source test within one year. When conducting a source test, record the information included in Attachment 5. The source test must be representative of the "typical" facility operation.

Continuously Monitor

M20. Do not operate the asphalt plant at a capacity greater than 10% above the maximum throughput measured during a source test. Monitor using M3. Report deviations using R3.

[18 AAC 50.050(a)(4), (b)(5), 5/26/72; 18 AAC 50.055(a)(4), (b)(5), 1/18/97; 40 C.F.R. 60.92(a)(1), (2), 10/6/75]

Fuel & Used Oil Delivery

[18 AAC 50.350(d)(3), 1/18/97]

M21. Keep a delivery receipt for each shipment of fuel and used oil delivered to the facility. If using fuel oil other than ASTM D1, D2, or comparable, test each shipment for the fuel oil using the applicable ASTM Method. Acceptable methods include D1266-98, D2622-98 and D4294-98. If using ASTM D1, D2, or comparable, keep copies of the fuel delivery records that indicate the ASTM fuel grade as defined in ASTM D975-01, D396-01, or D2880-00.

M22. If burning used oil generated off-site, test the sulfur content of each shipment of used oil that is generated off-site and record the quantity of fuel accepted or keep supplier's sulfur content analysis. Acceptable methods include ASTM D1552-01. Determine the actual or maximum sulfur content of any fuel used to fulfill the blending requirement using consistent with M21. Record the quantity of fuel used in the blend. Samples may be collected by the vendor from batches prepared by the local supplier for delivery to permittee's facility, or by supplier for bulk shipment not blended prior to delivery to the permittee's facility.

Subpart 000

M23. Inspect each emission point subject to Condition 31 using Method 9 of 40 C.F.R. 60, Appendix A at the following times: (Use Attachment 1)

- a. within 2 working days after startup at each new location
- b. within 2 working days after startup after the processing plant has been shut down for 30-consecutive days; and
- c. at least once in every 14 days of operation.

[18 AAC 50.350(d)(3), 1/18/97; 40 C.F.R. 60.675(c), 2/4/89]

M24. If a performance test was not included with the permit application conduct a performance test as described by 40 C.F.R. 60.675(b)(1) and (2), within the first 60 days of operation under this permit. A performance test includes a Method 9 to determine visible emissions. Use the form provided in Attachment 1. Follow the requirements for a performance test given in P1, P3, P4 and P7. Conduct subsequent performance tests within 5 years of the most recent test.

M25 Visible Emissions and Particulate Matter Inspections for diesel engines. [18 AAC 350(d)(3) 1/18/97]
A flow chart contained in ATTACHMENT 8 illustrates this tiered monitoring approach.

A.1 Smoke/No smoke Inspection Period

Once a day for the first 30 operating days of this permit, observe each engine, boiler, and heater to determine the presence or absence of smoke (a smoke/no-smoke inspection). If smoke, excluding water vapor, is seen during the inspection, do one of the following supplemental actions:

- Do maintenance to eliminate the smoke, and repeat the smoke/no smoke inspection within 72 operating hours; if no smoke is seen during the required repeat inspection, start a new 30 day inspection period; or,
- Within 10 calendar days, not operating days, of the initial inspection that showed smoke, do a visible emission inspection that conforms to EPA Method 9 in 40 C.F.R. 60, Appendix A, three times, once every two hours. See section B of this condition for more detail on the Method 9 test.

A.2 Monthly monitoring

- If no smoke is seen during the first 30 days of operation during the smoke/no smoke inspection, continue smoke/no smoke inspections on a monthly basis to check for engine or combustion unit degradation.
- If smoke is seen during any monthly inspection, start a new 30-day smoke/no smoke inspection period or do the Method 9 testing described in Section B of this condition.

A.3 How to perform the smoke/no smoke inspection

For each smoke/no smoke inspection, record the:

- Date,
- Engine or equipment number,
- Load,
- Plume background, and
- Visible emission observation.

Do all inspections required by this condition at the highest load for that engine or combustion unit expected for the month. If this is not practicable or the test is less than 80% of design load, please attach an explanation.

Exceptions:

The visible emission inspections are not required in a given month for a boiler or heater, if the rated input capacity is less than 1,700,000 Btu/hr.

B. Method 9

If the facility is not able to eliminate visible emissions through maintenance then the facility is required to perform an opacity test using EPA Method 9 within 10 calendar days of the initial smoke/no smoke inspection that showed smoke. The opacity test consists of three Method 9 tests, taken with minimum of two hours in between each test.

If the results of each of the three Method 9 tests are zero, then the facility may begin a new 30-day smoke/no smoke inspection as described in section A or perform one Method 9 reading each subsequent month.

If the results of each of the three Method 9 reading are greater than zero but less than 20% opacity, perform one Method 9 reading each subsequent month.

If any of the three-minute average of the method 9 readings are greater than 20%, the facility is in violation of the opacity standard.

If at any time the opacity readings are greater than 12% opacity, in addition to the requirements of this section, please see section C concerning particulate emissions.

If the required monthly Method 9 opacity reading for three consecutive months is zero, the permittee can continue performing Method 9 readings once per month or perform a 30-day smoke/no smoke inspection as described in section A1 of this monitoring condition. If no smoke is seen during the 30-day test, the permittee may perform monthly smoke/no smoke inspections every month instead of Method 9 readings.

For each Method 9 inspection, use the form in Attachment 1 of this permit.

C. Particulate Matter

If the Method 9 readings required in "B" are greater than 12% but less than 20% opacity, then particulate matter emissions may exceed the particulate matter standard. Perform a Method 5 or other EPA approved method source test (within 30 days of Method 9 reading that exceeded 12%) to determine if the standard is maintained and that the particulate emissions are less than 0.05 gr/dscf. Continue the Method 9 readings as described in "B". Take Method 9 readings during the particulate matter tests in order to calculate an average opacity that corresponds to the particulate matter emissions. Submit the test results to the Department within 30 days of the testing completion.

[18 AAC 350(d)(3) 1/18/97]

Performance Tests

(as required by 40 CFR 60.675 conducted as specified in 40 CFR 60.8)

P1 Perform performance tests within 60 days after achieving the maximum production rate of the equipment subject to a federal standard but not later than 180 days of initial startup). The department and/or EPA may request additional performance test at their discretion. Please see M19 for required performance testing for existing units. See 40 CFR 60.8(a).

P2 Conduct and report performance tests as specified in the particular Subpart unless the EPA has approved an alternative testing and reporting. See 40 CFR 60.8(b).

P3 Performance tests shall occur at the facility's representative operation. Submit information so that the department and/or EPA can determine the facility's representative operation. See 40 CFR 60.8(c).

P4 Notify the department and EPA at least 30 days prior to the start of the performance tests. See 40 CFR 60.8(d).

P5 Provide adequate sampling ports at appropriate locations as required by the applicable EPA method. See 40 CFR 60.8(e).

P6 Perform the performance test using the applicable test method at least 3 separate runs or as specified in their applicable subpart. If the one of the three runs are interrupted by circumstances beyond the permittee's control then the EPA at their discretion may approve averaging only two runs. See 40 CFR 60.8(f).

P7 The initial opacity (visible emission) performance test must be at least 3 hours (30 six minute averages) during periods of operation. The opacity standard applies at all times except for startup, shutdown and malfunction. See 40 CFR 60.11(b) and (c).

P8 At all times, and to the extent practicable, maintain and operate their facility including air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. See 40 CFR 60.11(d)

P9 Postmark all submittals required by federal standards by the date required by the department and EPA. See 40 CFR 60.19(b)

Reporting Requirements

The department requires a facility operator using this general permit to perform four types of reports: (1) reporting emissions that have the potential to violate a permit condition, (2) semiannual operating reports, (3) notification of replacement of certain equipment, and (4) annual compliance certifications.

Reporting of Excess Emissions:

EE1. Potentially Injurious Emissions

[18 AAC 50.350(i)(1), 1/18/97]

Notify the immediately upon discovery of any emission that has the potential to violate Condition 27, at one of the following numbers:

Central Alaska	269-7500	Fax	269-7648
Northern Alaska	451-2121	Fax	451-2362
Southeast Alaska	465-5340	Fax	465-2237

Outside of normal business hours: 1-800-478-2237

Fax a completed Excess Emission Notification form (Attachment 6) within 24 hours to the Anchorage air quality office at (907) 269-7508.

EE2. Opacity, Particulate Matter and Fuel Sulfur Violations

[18 AAC 50.350(i)(1), 1/18/97]

Notify the department within two days of:

- Completion of a Method 9 inspection showing a violation of a visible emission requirement;
- Receipt of results of a Method 5 or Method 17 performance test that shows a violation of a particulate matter standard; or
- Burning any fuel that exceeds 0.50% fuel sulfur or 0.075% fuel sulfur in a Sulfur Dioxide Special Protection Area described in 18 AAC 50.025.

Immediate Reporting:

[18 AAC 50.350(i)(1), 1/18/97]

R1. Notify the department within two days of a pollution-control equipment breakdown.

Semiannual Operating Reporting:

[18 AAC 50.350(d)(3), 18 AAC 50.350(i)(5), 1/18/97]

R2. Submit the following information to the department :

Submit three copies, including the original, of this semi-annual operating report to:

*Alaska Department of Environmental Conservation**Air Quality Maintenance Section**610 University Ave**Fairbanks, Alaska 99709*

Facility Name _____

Date: _____

A Semiannual Compliance Report from

(Select the correct operating period)

- ☐ 10/1/____ - 3/31/____ Due on **April 30**
- ☐ 4/1/____ - 9/30/____ Due on **October 30**

R3. Did the facility deviate from any permit requirements or a fugitive dust or VOC control plan?

- ☐ Yes
- ☐ No

If yes, explain (1) how you deviated from the plan, (2) the cause of the deviation, and (3) why it was necessary.

Attach:

- (a) Copies of all visible emission reading results.
- (b) Copies of all particulate matter performance test reports.
- (c) A description of any complaints received, including:
- Date the complaint was received and the date the facility responded,
 - Nature of the complaint,
 - Results of the investigation, and
 - Steps taken to resolve the complaint.
- (d) A list of any deviations from permit conditions; include:
- The date or period
 - Equipment involved
 - The permit condition
 - The nature of the deviation

Actions taken to solve the problem.

R4. List Fuel Delivery dates and grades:

Dates:	Quantity:	Fuel Grade:	or	Sulfur Content:
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____

R5. List Off-Site Used Oil Delivery:

Dates:	Quantity:	Sulfur Content:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

R6. List Burned Used Oil (generated on-site):

Dates:	Quantity:	Sulfur Content:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

R7. List the total amount of fuel used at the facility.

R8. If you blended fuel to meet the sulfur requirement, how did you ensure your facility blended the amount of used oil burned to achieve a 0.5% Sulfur content by weight or less mix?

R9. How did you ensure your facility blended the amount of used oil generated on-site to achieve a 1 to 3 mix (25% used oil to 75% fuel oil)?

R10. Attach copies of the visible emission readings taken at startup at a new location, 30 day at the same location and restarting after 5 days of non-operation.

R11. List the daily asphalt production rate, the total number of operation hours and peak hourly rate and percent fines.

R12. Provide a copy of any complaints received, the nature of the complaint, and the steps taken to resolve the complaint.

R13. Report any deviations from the facility's submitted Operations and Maintenance Plan.

Based on information and belief formed after reasonable inquiry, I certify that the facility meets the qualifying criteria and that the statements and information in and attached to this document are true, accurate, and complete.

Signature

Printed Name

Title

Replacing Equipment Used in Crushing and Grinding

Built Before August 31, 1983

At your processing plant, equipment that was not constructed, reconstructed, or modified after August 31, 1983, is not subject to Subpart OOO. Replacing certain parts of it with equipment that is the same size or smaller does not make your plant subject to Subpart OOO, unless you replace all sources in a production line, but you must notify EPA and the department of the replacement.

If equipment is replaced with larger equipment, use Condition N2 to report.

N1. Notifying the Department and EPA: Replacement of Equipment

[40 C.F.R. 60.676(a), 2/14/89; 18 AAC 50.200, 1/18/97]

Notify the department before replacing the following equipment. In addition to the information listed in Conditions N1.1 – N1.4, give enough detail to identify the replacement equipment. Also list any control device used to reduce particulate matter emissions from the equipment being replaced, and all other sources controlled by that control device.

N1.1. Before replacing a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station, send the department information describing

- the rated capacity (tons/hour) and age of the equipment being replaced, and
- the rated capacity (tons/hour) of the replacement equipment.

N1.2. Before replacing the screening operation, send the department information describing

- the total surface area and age of the top screen from the existing screening operation, and
- the total surface area of the top screen of the replacement.

N1.3. Before replacing a conveyor belt, send the department information describing

- the width and age of the existing belt, and
- the width of the replacement belt.

N1.4. Before replacing a storage bin, send the department information describing

- the rated capacity (tons) and age of the existing storage bins, and
- the rated capacity (tons) of the replacement storage bins.

Send notifications for condition N1 to:

Director of Emission Standards and Engineering Division
(MD-13)
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

Air Quality Maintenance Section
Alaska Department of Environmental Conservation
610 University Ave
Fairbanks, AK 99709

New Equipment Subject to Subpart 000

N2. Notifying the Department and EPA: New, Reconstructed, or Modified Equipment

For a new or modified piece of equipment that becomes subject to Subpart 000, send the department and EPA Region 10 any of the following information that applies during the life of this permit:

- N2.1. The anticipated date of initial startup, postmarked between 30 and 60 days before anticipated startup.
[40 C.F.R. 60.7(a)(2), 12/13/90; 18 AAC 50.200, 1/18/97]
- N2.2. The actual date of initial startup postmarked within 15 days after initial startup.
[40 C.F.R. 60.7(a)(3), 12/13/90; 18 AAC 50.200, 1/18/97]
- N2.3. For modification to an existing piece of equipment subject to NSPS Subpart 000, information describing:
- the precise nature of the change
 - the present and proposed emission control systems
 - the capacity before and after the change
 - the expected completion date.

For this condition:

A modification is a change to the equipment that increases

- The surface area of an initial screen
 - The width of a conveyor belt, or
 - The rated capacity of any other equipment
- This condition does not apply to
 - Routine maintenance, replacement, and repair
 - Increase in production rate accomplished without capital expenditure
 - Increase in hours of operation
 - Use of alternative raw material if the equipment is already designed to handle that raw material
 - Addition or pollution control equipment
 - Postmark 60 days or as soon as practicable before the change.
[40 C.F.R. 60.7(a)(4), 12/13/90; 18 AAC 50.200, 1/18/97]

- N2.4. The date of initial Method 9 observations, postmarked not less than 30 days before the date of the observations.
[40 C.F.R. 60.7(a)(6), 12/13/90; 18 AAC 50.200, 1/18/97]

Send notifications for condition N2 to:

Laurie Kral
EPA Region 10
1200 Sixth Ave
Seattle, WA 98101

Air Quality Maintenance Section
Alaska Department of Environmental Conservation
610 University Ave
Fairbanks, AK 99709

Annual Compliance Certification

Certify compliance annually by February 1 of each year for the period from January 1 to December 31 of the previous year in accordance with the format below. Submit two copies and the original to the ADEC, Air Quality Maintenance, 610 University Ave, Fairbanks, Alaska 99709.

Also submit a copy to: US EPA Region 10, Office of Air Quality, 1200 6th Avenue, M/S OAQ-107, Seattle, Washington 98101

Permittee: _____ Facility Name: _____ Certification Period: _____

Condition	Compliance Status	Continuous/Intermittent	Method used to determine compliance
1 - 6	These conditions place no certification obligation on permittee		
7	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" Dates access granted, or not requested " Other (attach description & documentation)
8	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" Dates submitted " Other (attach description & documentation)
9	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All reports/documents certified " Dates excess emission reports submitted
10	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" Dates submitted, or source test requested " Other (attach description & documentation)
11	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" Dates access granted, or not requested " Other (attach description & documentation)
12	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" Dates submitted " Other (attach description & documentation)
13	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All reports/documents certified " Dates excess emission reports submitted
14	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" Dates submitted, or source test requested " Other (attach description & documentation)
15.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
15.2	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
15.3	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)

	explanation)		
18	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
19	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
20	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
21	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
16	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
17	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
22.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
22.2	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
22.3	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)

23.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
23.2	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
24.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
24.2	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
24.3	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
24.4	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
24.5	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
25.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
25.2	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
25.3	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
26	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
27	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
28.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
28.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
29	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)

	explanation)		
30.1	" In Compliance " Not in Compliance " Not Applicable(attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
30.2	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
30.3	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
31.1	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
31.2	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
32	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
33	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
34	" In Compliance " Not in Compliance " Not Applicable (attach explanation)	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)

Based on information and belief formed after reasonable inquiry, I certify that the facility meets the qualifying criteria and that the statements and information in and attached to this document are true, accurate, and complete.

Signature

Printed Name

Title

State of Alaska, City of _____, Borough of _____

On this _____ day of _____, 19____ before me personally appeared _____, whose identity was proved to me on the basis of satisfactory evidence to be the person whose name is subscribed t this instrument, and acknowledged that he (she) executed the same.

Notary Public

My Commission Expires on _____



Section 1. Attachment 1 - Visible Emissions Forms Page 1 of _____

When doing readings: Maintain a distance of at least 15 feet from the emission point; When possible while still conforming to Method 9, select a position to minimize interference between sources; If interference cannot be avoided between sources, use the least stringent opacity standard that applies to any of the sources involved; and If wet dust suppression is used, read the part of the plume where there are no visible emissions caused by water mist.

Certified Observer _____

Company _____

Location _____

Test No. _____ Date _____

Asphalt Plant: Source _____

Production Rate: _____ Tons/hr

Hrs. of observation: _____

Clock Time	Initial			Final
Observer location				
Distance to discharge				
Direction from discharge				
Height of observer point				
Background description				
Weather conditions				
Wind Direction				
Wind speed				
Ambient Temperature				
Relative humidity				
Sky conditions: (clear, overcast, % clouds, etc.)				
Plume description:				
Color				
Distance visible				
Water droplet plume? (attached or detached?)				
Other information				

Use the procedures specified in 40 C.F.R. 60, Appendix A, Method 9 to perform this observation.

Attachment 2. Portable Facility Relocation/Operation Notification

Submit the information specified below to the Department's Air Quality Maintenance Section, *thirty* days before tentative moving of the plant to any new location, and the exact date before startup by telephone, fax, e-mail or letter.

Name of Firm: _____

Equipment/Facility to be relocated _____

Contact Person: _____

Telephone: _____

New plant location (include site maps): _____

Approximate start-up and shut-down dates: _____

Comments: _____

I hereby certify that the information contained in this notification is to the best of my knowledge and belief, is true, complete, and accurate.

Signature: _____ Printed Name: _____

Title: _____ Telephone: _____

Submit this information to

Alaska Department of Environmental Conservation
Air and Water Quality Division - Air Permitting
610 University Avenue
Fairbanks, Alaska 99709 - 3643

Attachment 3. Citation Table

Condition #'s	Required By	Federal Citation	Incorporated by reference in	Approved SIP Citation	Current State Regulation
M1 – M22	18 AAC 50.350(d)(3) 18 AAC 50.350(g) 18 AAC 50.350(h)				
M23 M24 M25	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3)	40 C.F.R. 60.675(b), (c)	18 AAC 50.040(a)(2)(FF)		
P1 – P9	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3)	40 C.F.R. 60.8 40 C.F.R. 60.11 40 C.F.R. 60.19	18 AAC 50.040(a)(1)		
EE1 EE2 R1-R13	18 AAC 50.350(d)(3) 18 AAC 50.350(i)				
N1	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3) 18 AAC 50.350(i)	40 C.F.R. 60.676(a)	18 AAC 50.040(a)(2)(FF)		
	18 AAC 50.350(f)(3)				18 AAC 50.200
N2	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3) 18 AAC 50.350(i)	40 C.F.R. 60.7	18 AAC 50.040(a)(1)		
	18 AAC 50.350(f)(3)				18 AAC 50.200

Attachment 4:**Emission Fee Calculations**

For the Period July 1 of the previous year to June 30 of the current year. Emission fees are due no later than August 1 of the current year.	
NO_x TPY (A) = tons of asphalt produced multiplied by	
0.000085 for diesel fired batch mix	0.0000125 for nat gas fired batch mix
0.0000375 for diesel fired drum mix	0.000015 for nat gas fired drum mix
CO TPY (B) = tons of asphalt produced multiplied by	
0.0000345 for diesel fired batch mix	0.00017 for nat gas fired batch mix
0.000018 for diesel fired drum mix	0.000028 for nat gas fired drum mix
NO_x TPY (C1) from diesel generators	Multiply kW hours by 0.000020786 = C1
CO TPY (C2) from diesel generators	Multiply kW hours by 0.000004479 = C2
SO₂ TPY (D) = gals of diesel burned for the year multiplied by 0.0000355	
Determine Total NO_x A + C1 = X Determine Total CO B + C2 = Y	
If either X or Y or D is less than 10 tons do not include in calculation below.	
NO_x (X) + CO (Y) + SO₂ (D) = Total emissions in tons per year (TPY)	
Total emissions (TPY) x \$5.07 = Emission Fee in \$	

ATTACHMENT 5

Continuously monitor the following parameters and record the average value

- ☐ the asphalt production rate: _____ tons/hour
- ☐ the fines percentage _____ (-200 mesh)
- ☐ Method 9 readings during the Method 5 testing

For a facility using a baghouse:

- ☐ the baghouse exit temperature: _____ EF
- ☐ the pressure drop across the baghouse: _____ inches of water

For a facility using a scrubber:

- ☐ the pressure drop across the scrubber: _____ inches of water
- ☐ water flow rate: _____ gallons/minute

- ☐ particulate control: _____ gallons/minute
- ☐ the fines percentage _____ (-200 mesh)

Obtain the following:

For a facility using a scrubber, record the following parameters:

- ☐ pond size: _____
- ☐ pond depth: _____
- ☐ type of liner used: _____
- ☐ is the water recycled ☐ Yes ☐ No
makeup water flow rate: _____ gallons/hr

ATTACHMENT 6 ADEC Notification Form

Fax this form to: (907) 269-7508 Telephone: (907) 269-8888

Company Name _____

Facility Name _____

Reason for notification:

☐ **Excess Emissions**

*If you checked this box
Fill out section 1*

☐ **Other Deviation from Permit Condition**

*If you checked this box
fill out section 2*

When did you discover the Excess Emissions or Other Deviation:

Date: __/__/__ Time:__:__

Section 1. Excess Emissions

(a) Event Information (Use 24-hour clock):

	START Time: (hr:min):	END Time:	Duration
Date: _____	_____:	_____:	_____:
Date: _____	_____:	_____:	_____:
		Total:	_____:

(b) Cause of Event (Check all that apply):

☐ START UP ☐ UPSET CONDITION ☐ CONTROL EQUIPMENT
☐ SHUT DOWN ☐ SCHEDULED MAINTENANCE ☐ OTHER _____

Attach a detailed description of what happened, including the parameters or operating conditions exceeded.

(c) Sources Involved:

Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____

(d) Emission Limit Potentially Exceeded

Identify each emission standard potentially exceeded during the event. Attach a list of ALL known or suspected injuries or health impacts. Identify what observation or data prompted this report. Attach additional sheets as necessary.

Permit Condition	Limit	Emissions Observed
_____	_____	_____
_____	_____	_____

(e) Excess Emission Reduction:

Attach a description of the measures taken to minimize and/or control emissions during the event.

(f) Corrective Actions:

Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of a recurrence.

(g) Unavoidable Emissions:

Do you intend to assert that these excess emissions were unavoidable?

☐ YES ☐ NO

Do you intend to assert the affirmative defense of 18 AAC 50.235?

☐ YES ☐ NO

Section 2. Other Permit Deviations**(a) Sources Involved:**

Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(b) Permit Condition Deviation:

Identify each permit condition deviation or potential deviation. Attach additional sheets as necessary.

Permit Condition	Potential Deviation
_____	_____
_____	_____
_____	_____

(c) Corrective Actions:

Attach a description of actions taken to correct the deviation or potential deviation and to prevent recurrence.

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Printed Name:

Signature:

Date

ATTACHMENT 7

[Code of Federal Regulations] [Revised as of July 1, 1997]
From the U.S. Government Printing Office via GPO Access
[CITE: 40CFR89.2]

TITLE 40--PROTECTION OF ENVIRONMENT CHAPTER I--ENVIRONMENTAL PROTECTION AGENCY

PART 89--CONTROL OF EMISSIONS FROM NEW AND IN-USE NONROAD ENGINES-- Table of Contents

Subpart A--General

Sec. 89.2 Definitions.

The following definitions apply to part 89. All terms not defined herein have the meaning given them in the Act.

Nonroad compression-ignition engine means a nonroad engine which utilizes the compression-ignition combustion cycle.

Nonroad engine means:

(1) Except as discussed in paragraph (2) of this definition, a nonroad engine is any internal combustion engine:

(i) in or on a piece of equipment that is self-propelled or serves a dual purpose by both propelling itself and performing another function (such as garden tractors, off-highway mobile cranes and bulldozers); or

(ii) in or on a piece of equipment that is intended to be propelled while performing its function (such as lawnmowers and string trimmers); or

(iii) that, by itself or in or on a piece of equipment, is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.

(2) An internal combustion engine is not a nonroad engine if:

(i) the engine is used to propel a motor vehicle or a vehicle used solely for competition, or is subject to standards promulgated under section 202 of the Act; or

(ii) the engine is regulated by a federal New Source Performance Standard promulgated under section 111 of the Act; or

(iii) the engine otherwise included in paragraph (1)(iii) of this definition remains or will remain at a location for more than 12 consecutive months or a shorter period of time for an engine located at a seasonal source. A location is any single site at a building, structure, facility, or installation. Any engine (or engines) that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period. An engine located at a seasonal source is an engine that remains at a seasonal source during the full annual operating period of the seasonal source. A seasonal source is a stationary source that remains in a single location on a permanent basis (i.e., at least two years) and that operates at that single location approximately three months (or more) each year. This paragraph does not apply to an engine after the engine is removed from the location.

[59 FR 31335, June 17, 1994, as amended at 61 FR 52102, Oct. 4, 1996]

ATTACHMENT 8**Visibility and Particulate Monitoring
Flow Chart**

